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TITLE : FIBRINOGEN-CONTAINING PHARMACEUTICAL

ABSTRACT : PURPOSE: To surely prevent the vigorous generation of bubbles right after injection of a soln. and to enhance the ease of use by providing the fibrinogen-contg. pharmaceutical which is the constituting component of a tissue adhesive existing as two-component pharmaceuticals after freezing drying the pharmaceutical and hermetically sealing the pharmaceutical under a reduced pressure.

CONSTITUTION: The human fibrinogen prepd. by the conventional method, for example, by subjecting the cryoprecipitate obtd. from the frozen original blood plasma to glycine fractionation and ethanol fractionation, etc., is dissolved at about 2% into, for example, 0.005mol/l sldium citrate-0.075mol/1NaCl buffer soln. and is then subjected to sterile filtration. After 12ml volume each of such fibrinogen is dispensed and is freeze dried, the fibrinogen is hermetically sealed under a reduced pressure of about 10^{-2}mm Hg degree of pressure reduction. The prepn. is dissolved in about 3ml aprotinic acid (about 1000 unit/ml) activity and is then so treated as to restore the atm. pressure by using a draft gage. The bubbles are instantaneously annihilated at this time.